

want, to provide comments and interact with Bellcore on the technical document; then the BOCs unilaterally decide what the industry will get. Only the BOCs have authority over Bellcore on what to include or not include in the Bellcore specifications. Thus, a private standards process results. Although the industry is ostensibly involved, the BOCs have the final say -- no voting, no consensus, only the BOCs' selective decision.

CONCLUSION

22. Bellcore is incorrect in claiming that the technical standards and other industry fora cannot be used to delay the development and implementation of capabilities needed by non-BOC industry segments. The CIC delivery issue is an example of actions that are all too frequent in the industry fora when capabilities and others' needs are counter to the business strategies of the BOCs. The BOCs are able to dominate and control the outcome of issues. Even when agreements are reached in the standards or fora on issues, the good faith of the BOC negotiations resulting in such agreements is questionable, because the BOCs implement capabilities selectively, or not at all. The generic requirements process used by the BOCs, and the examples of MF-SS7 CIP interworking and the Screen List Editing service discussed in this affidavit further

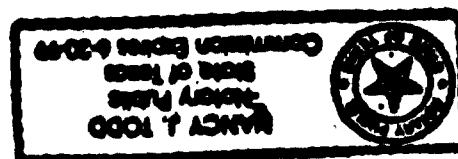
demonstrate how BOCs can control implementation to suit their business interests. Years can be spent trying to obtain capabilities, with no positive outcome.

Further Affiant saith not.

James D. Joerger
James D. Joerger

Subscribed and sworn to before me
this 4th day of April, 1996.

Nancy J. Todd
Notary Public



ATTACHMENT I

Date: Wed Jan 24, 1996 4:49 pm CDT
From: Bob Edgerly / MCI ID: 538-5670

TO: * Jim Joerger / MCI ID: 445-4263
Subject: Update - Consolidated status on CIP
Message-Id: 83960124214938/0005385670ND2EM

Latest on LEC support for CIP.

-Bob
v 227-6355

| | | |
|------------------------|--|--|
| Ameritech ----- | Tariff Date: Pricing Structure: Cost: 1st Year Cost: Subsequent Annual Cost: | Effective 6/20/95 Per Trunk Group \$40 NRC; \$6 RC/Month \$92,736.00 \$59,616.00 |
| Bell Atlantic ----- | Expected filing date: Pricing Structure: Cost: Annual Cost: | Early 1996 Per Trunk \$1.50 RC/Month Approx. \$1.6M (still negotiating) CR told BA we would NOT purchase CIP at this rate. |
| BellSouth ----- | Tariff Date: Pricing Structure: Cost: Annual Cost: | Effective February 25, 1996 Per Trunk \$.28 RC/Month Approx. \$364K. MCI will file against this rate on 1/26. |
| CinnBT ----- | Tariff Date: Pricing Structure: Cost: Annual Cost: | Effective January 4, 1996 Per Trunk Group \$200 RC/Month \$62,400 |
| GTE / GTOC ----- | Tariff Date: Cost: | Effective November 30, 1995 Free. |
| Pacific Bell ----- | Expected filing date: Pricing Structure: Cost: Annual Cost: | April 1996 Per Trunk Group \$45 RC/Month Approx. \$250K-270K |
| NYNEX ----- | Has not committed to implement, proposed costs were very high. Still pushing.... | |
| SBC (SWBT) ----- | Expected filing date: Pricing Structure: Cost: Annual Cost: | Early 1996 Per Call \$.0007 per call Approx. \$1.5M (still negotiating) CR told SBC we would NOT purchase CIP at this rate. |
| SNET | Now willing to consider providing based on most | |

---- recent "sales pitch" for NCM. Looking at the costs.

Sprint-LTD Tariff Date: Filed Jan. 16, Effective March 1
----- Estimated Cost: Free

USWest Plans to implement, but still examining the costs.
----- Did present MCI with a cost proposal which was
 unacceptable (\$1.6M/year). USWest doing further CIP market
 research and working with their vendors to reduce cost....

ATTACHMENT II



ALLTEL SERVICE CORPORATION
100 Executive Parkway • Hudson, Ohio 44236-1105
Phone (216) 650-7000

CORPORATE CARRIER RELATIONS

April 22, 1988

Mr. Peter Guggina
MCI TELECOMMUNICATIONS CORPORATION
8283 Greensboro Drive
McLean, Virginia 22101

Dear Peter:

Based on current information that ALLTEL has accumulated from the manufacturers and our concern for deviation of "Industry Standards", we are declining your request to "TEST" a FG-D with CIC.

Wayne Zwald, Vice President-Network, is willing to have an informal meeting with you following our CLC meeting in May to discuss this subject in more detail.

Yours truly,


L. Craig Schaeffer
Director-Carrier Relations

amh

cc: Wayne Zwald

LAURENCE A. YOUNG
Director
Carrier Identification Division

1900 East Golf Road
Schaumburg, Illinois 60194
312 310 2044

February 15, 1988

Mr. Peter Guggina
MCI Telecommunications
8283 Greensboro Dr.
McLean, Virginia 22102

Dear Peter,

Jack Saylor has requested that I respond to your Carrier Identification Code (CIC) questions.

Q1. Can CIC information be transmitted with ANI on FG D originating calls from end offices connected via direct or tandem trunking arrangements to the MCI POP?

Response: No

Q2. If the end office has the capability to transmit the CIC, can the access tandem forward the CIC to MCI with the ANI?

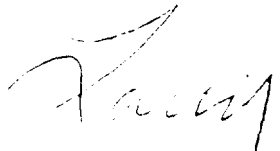
Response: No, the CIC is used when the end office signals the tandem office but only for the purpose of selecting the proper FG D access service to the IC. It is not included in the billing information sequence (ie. KP + II + ANI + ST). The protocol is described in Technical Reference TR-NPL-000258.

Q3. What happens to the CIC information in the end office?

Response: The CIC information is used only to determine the end users pre-subscribed interexchange carrier, thus allowing down stream billing and routing via a tandem as described above; or the selection of a direct FG D access service to the IC. This is described in the LSSGR TR-E0Y-000064 section 20-24-0000, commonly referred to as the FSD - Feature Specification Document.

If MCI is interested in a feature where the CIC would be included as a part of the billing information stream vendor development would be required.

Please call me if you require further information.



Laurence A. Young
Director - Technical Liaison

cc: Mr. J. Saylor
Mr. T. Appenzeller
Ms. S. Platner
Ms. A. Cullather



Bell Atlantic

1310 N. Court House Road
Alexandria, Virginia 22304
(703) 974-3800

George L. Edwards

Managing Director
Public Relations and Customer Liaison

February 23, 1988

Mr. Pete Guggina
MCI Communications Corporation
8283 Greensboro Drive
McLean, Virginia 22102

Dear Mr. Guggina:

This is in response to your January 11, 1988 request for information about the availability of providing Carrier Identification Code (CIC) information with Automatic Number Identification (ANI) on Feature Group D originating access service.

Bell Atlantic's equal access end offices (EAEO) and the Access Tandem (AT) cannot forward the CIC code to the IC. The feature requirements of the EAEO and AT, as specified in the following two documents, do not provide for such a capability:

- 1) TR-TS4-000530, Issue 2, July, 1987; and,
- 2) FSD20-24-0000, specifically the section on InterLATA Carrier/International Carrier Interconnection.

To obtain the technical specification documents detailing this, contact:

Bell Atlantic Research, Inc.
60 New England Avenue
Piscataway, New Jersey 08854-4196
Attn: Document Coordinator
(201) 699-5800

If you have further questions regarding this matter, please contact me or Steve Collins on 974-5798.

Sincerely,

0053L



Bell Atlantic

Robert E. Ingalls, Jr.
Marketing Manager, MCI

8630 Pennon Square
Room 1100
Silver Spring, Md. 20910
(301) 291-4000

May 3, 1988

Mr. Peter Guggina
MCI Telecommunications Corporation
8283 Greensboro Drive
McLean, Virginia 22102

Dear Peter,

I am writing as a follow-up to our meeting on April 25 regarding CIC information. The open questions from the meeting were:

- 1.) Can Bell Atlantic extend the trial to individual applications on a Special Assembly basis?
- 2.) What is the time frame required to incorporate CIC information in the MF signalling environment?
- 3.) Does NTI's update to BCS2 help #2?
- 4.) What is the status of CIC information in the SS7 environment?

The answers are:

- 1.) The trial can be performed as explained on April 25, however, it cannot be extended to multiple applications on a Special Assembly basis. Development work would be required as the capability to provide this feature to all interested ICs would be necessary.
- 2.) The time frame for incorporating CIC in MF signalling is two to four years as described on April 25.
- 3.) It has been confirmed that the NTI Access Tandems can be equipped to forward CIC codes to the IC. However, Bell Atlantic does not have this capability in place. Since less than 20% of the BA Access Tandems are NTI switches, adding that capability would appear to provide only a limited capability to MCI.

4.) The situation with the availability of CIC information in SS7 is as follows:

- TR 394 originally included the transmission of CIC information.
- In 1986, T1X1.1 reviewed this and determined that the transmission of the CIC was not needed beyond the last switch in the originating LATA (End Office or Access Tandem). MCI was a participant in these proceedings.

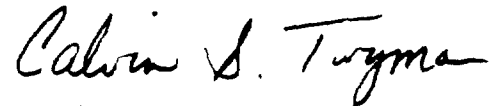
If MCI would like to have this pursued and incorporated into TR 394 then the following steps are necessary:

- Request the service from Bell Atlantic.
- Bell Atlantic will propose a new service (CIC Information) and service definition and refer it to Bellcore for input into TR 394.

-- Impact will most likely be seen in 1991-92.

Hopefully, this responds to those questions remaining from our meeting of April 25, 1988. If you have any additional questions, please give me a call.

Sincerely,



(for) Bob Ingalls

cc: Wade Wallace
Woody Traylor
Jim Vecchiola



BellSouth Services

100 Chase Park South
Birmingham, Alabama 35244

January 20, 1988


Mr. Peter Guggina
MCI Telecommunications
8283 Greensboro Drive
McLean, VA 22102

Dear Peter:

This is in response to your letter of January 11, 1988 regarding provision of Carrier Identification Code (CIC) information with Automatic Number Identification (ANI) on Feature Group D (FG-D).

Our existing technology does not permit transmission of CIC over FG-D, whether direct-or tandem-routed. Implementing such a capability would involve first preparing detailed design specifications, then having all our end office switch suppliers develop the feature per the specification. Our experience is that this process typically requires over two years to complete.

Sincerely,


Joseph R. Loggins
Operations Manager

cc: D. W. Jones
R. B. Robertson
W. H. McElveen
A. P. Jones
R. B. Vogel



BellSouth Services

W. H. McElveen, Jr., P.E.
Assistant President—
Network Provisioning

100 Chase Park South
Birmingham, Alabama 35244
205 985-8261

May 6, 1988

RECEIVED

MAY 10 1988

Shekhar Tiwari
MCI Telecommunications Corporation
8283 Greensboro Drive
McLean, VA 22102

SHEKHAR TIWARI
Technical Strategy Manager—
MCI

Dear Mr. Tiwari:

This is in response to your inquiry about our willingness to transmit the Carrier Identification Code (CIC) as part of the ANI stream on originating FG-D calls.

Our investigation indicates that feature development would be required in the DMS-10, No. 1A and 5 ESS switching systems to implement your request. We understand, however, that a feature to equip the DMS-100/200 with the desired capability may already exist. Before we carry our investigation further and undertake activating and testing the feature, BellSouth needs to know whether MCI would still want to receive CIC codes from DMS-100 end offices and DMS-200 access tandems only.

We also understand that one Region is testing an arrangement in which direct trunks are entered in translations as tandem trunks so the end office will transmit the desired CIC. Our analysis indicates that this could only be accomplished on direct groups and that these would have to be further restricted to originating traffic only due to problems with recording in the terminating direction. BellSouth needs to know whether MCI would want the requested capability under those restrictions.

I encourage you to involve BellSouth's Account Executives, Larry Scherer and Phillip Burriss on 205-321-5257 and 404-529-5626 respectively. With a thorough understanding of your needs, they may be able to offer innovative solutions and more thoroughly represent your interests in internal feature development prioritization and future service offerings.

Larry McElveen

O'Hare Plaza
8725 Higgins Road
Chicago, IL 60631
Telephone 312 399 2500

CENTEL

January 25, 1988

Mr. Peter Guggina
MCI Telecommunications Corporation
8283 Greensboro Drive
McLean, Virginia
22102

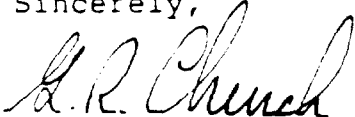
Dear Mr. Guggina:

In response to your letter of January 11, 1988, to James W. Weith, our access tandem and class five Equal Access Switches do not have the ability to forward Carrier Identification Code (CIC) information with Automatic Number Identification (ANI) on domestic calls, in either direct or access tandem trunking arrangements.

The manufacturers of these switches confirm this inability and indicate no immediate plans for such capabilities.

Should you have any questions, please advise.

Sincerely,



G. R. Church
General Staff Manager
Network & Switching

GRC:FJW:efb

cc: J. W. Weith

Contel Service Corporation
245 Perimeter Center Parkway
P.O. Box 108194
Atlanta, GA 30349
404 391 8000

CONTEL

Peter Guggina
MOI
8283 Greensboro Drive
McLean, VA 22102

February 1, 1988

Dear Mr. Guggina:

I would like to respond to your request for planning information concerning the possibility of receiving Carrier Identification Code (CIC) information with the Automatic Number Identification (ANI) on Feature Group D (FGD) originating access service.

With the current switch software and the current feature description of Feature Group D (TR-NPL-000258), it is not possible for Contel switching systems to forward the CIC code to the carrier. This restriction applies to both direct and access tandem routed calls. This inability is a function of feature design and is not an administrable option available to Contel.

The only available method of implementing your request is to change the requirements of the LSSGR and the technical specifications for Feature Group D. This would, in turn, allow the switch vendors to provide the appropriate switch software.

If you have any further questions please contact me.


Bud Zirkle
Director - Network Operations

NYNEX Service Company
1155 Avenue of the Americas Room 300 New York NY 10036
212 391 8750

T P Marshall
Managing Director

February 9, 1988

NYNEX
Service Company

Mr. Peter Guggina
MCI Telecommunications Corporation
3283 Greensboro Drive
McLean, Virginia 22102

Dear Mr. Guggina:

This is in response to your letter of January 11, which I regrettably did not receive until February 2. In that letter you questioned the feasibility of transmitting Carrier Identification Code (CIC) information over Feature Group D trunks. In the current signaling protocol for FGD trunks, the CIC is used exclusively for routing calls to the designated Interexchange Carrier.

For calls routed to a carrier via an access tandem, the originating end office specifies to the tandem the IC to which the call must be routed through a signaling sequence preceding the calling number identification field. This allows the access tandem to select the appropriate IC trunk group before the ANI information is sent, and the CIC information, having performed its function, is no longer available.


Calls routed directly from an originating end office to an IC do not require any further IC identification once the specific trunk group is selected. The end office having used the dialed 10XXX digits to determine call routing, thereupon "discards" the CIC information before ANI information is forwarded to the selected IC.

A requirement for CIC transmission as described in your letter would require significant changes in the existing switching generic. If the feature in question is only of interest to MCI, the generic would be rendered even more complex and the developmental and implementation costs increased commensurately.

NYNEX has been waiting for some time for features in developmental queue which have high priority for NYNEX, MCI and the industry as a whole. It would be unrealistic to assume that a generic change to accommodate CIC transmission, even if investigation proved it feasible, could be introduced in the near future. MCI may wish to consider other alternatives, such as dedicated trunk groups for specific CICs.

We are available to discuss the matter further and to assist in developing alternate solutions should you wish to pursue the problem with us. In any case, if you have any additional questions, please do not hesitate to contact me.

Sincerely,



cc: Mr. F. Ferrantelli

NYNEX Service Company
100 Bloomingdale Road Room 325 White Plains NY 10605
914 683 2290

William G LaPerch
District Manager

NYNEX
Service Company

July 18, 1988

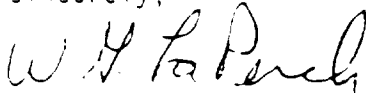
Mr. Peter Guggina
MCI Telecommunications Corporation
8003 Westpark Drive
McLean, VA 22102

Dear Mr. Guggina,

Approximately six weeks ago you inquired about the possibility of NYNEX forwarding CIC information with ANI on FG-D originating service. Attached you will find a reply from our technical planning group relative to this request.

Despite the bleak outlook for providing this service quickly, I would be more than happy to pursue this further with you if appropriate. Please do not hesitate to call me if I can be of further help.

Sincerely,



W.G. LaPerch
Director, MCI Account

July 18, 1988

W.G. LaPerch, Director, MCI Account

Bill,

This is in reply to your letter regarding the forwarding of the Carrier Identification Code (CIC) information with the Automatic Number Identification (ANI) on Feature Group D originating access service.

Presently, in the FG D signalling protocol, the CIC code is used exclusively for routing to the proper Interexchange Carrier.

For calls routed via the access tandem, the end office identifies the IC to which the call must be routed in a signaling sequence preceeding the calling number identification field. This allows the access tandem to select the proper IC trunk group before the ANI information is sent. The CIC information which was sent to the access tandem, having performed its function, is no longer available.

Calls routed directly from the end office to the IC do not require any further IC identification once the specific IC trunk group is selected so the CIC is not forwarded. The end office uses the dialed 10XXX for this routing and the CIC is then no longer available.

Informal discussions with our switch vendors has confirmed that none of our switches has the capability to pass on the CIC as a part of the ANI.

This requirement, if requested by MCI would require a change in the local switching generic requirements which now exist and require a major development. The vendors would not provide any specific cost estimates without a detailed requirement but generally feel it would be a major development and this would be reflected in both the time and cost of development.

If the feature is only applicable to MCI and not the general IC community it would further complicate the generic as well as increase the potential cost to the customer. In addition, we have been waiting for 18-24 months for many features which have high priority for both NYNEX, MCI, and the industry as a whole. It would be unrealistic to believe that this type of generic change, if technically feasible, could be done any sooner.

I would recommend that MCI make their interest in this feature known to those parties who are involved in the development of the Signaling System 7 protocol which is now emerging.

I am sorry to be so general in my reply but without specific requirements it is difficult to provide you with anything more than general replies.



E.J. Ferrantelli



**Southwestern Bell
Telephone**

One Bell Center
St. Louis, Missouri 63101
Phone 314 235-3600

February 10, 1988

Mr. Peter Guggina
MCI Telecommunications Corp.
8283 Greensboro Drive
McLean, Virginia 22102

Dear Mr. Guggina,

This is in response to your letter of January 11, 1988 in which you requested certain information concerning provision of the Carrier Identification Code (CIC) with ANI on FG D exchange access service.

The CIC is not contained in the protocol forwarded to inter-exchange carriers utilizing originating FG D exchange access for domestic calls (reference TR-NPL-000258, Issue 1, pages 3-2 and 3-10). This applies to both direct and tandem connections.

For 1+ MTS traffic, the appropriate CIC is determined from either the translations associated with the presubscribed line or the CIC dialed by the customer via the 10XXX instruction which "overrides" the presubscribed carrier on a per call basis. The EC switching offices utilize the CIC to determine (via the "carrier common block" translations) the appropriate trunk group over which to route the traffic in order to deliver the call to the appropriate interexchange carrier. This determination is made at the end office (EO) for direct trunking or the access tandem (AT) for tandem-routed calls. In no case, however, is the CIC contained in the protocol forwarded on domestic calls to the IC from the EO or the AT. (The CIC is, however, forwarded to the IC on international calls - see TR-NPL-000258, Issue 1, pages 3-2 and 3-11).

I hope this answers your question. Please let me know if clarification is needed. (Reference document TR-NPL-000258 has other information regarding signaling which may be helpful as well).

Sincerely,

1524



**Southwestern Bell
Telephone**

208 S. Akard Room 1630
Dallas Texas 75202
Phone (214) 464-5555

Business Marketing Services

Alan Backof
Manager, B Services

May 23, 1988

Mr. Peter Guggina
MCI Telecommunications
8283 Greensboro Drive
McLean, Virginia 22102

Dear Peter:

Pursuant to our recent conversation it would be helpful if you would provide information on the following areas of CIC transmission:

- 1) Is this a service that MCI definitely plans on using in the future;
- 2) What is MCI's willingness to utilize this service if it were a tariff offering;
- 3) How would MCI like to see this service offered by Southwestern Bell;
- 4) How does MCI intend to utilize this service?

Any input you could provide would be helpful to Southwestern Bell's Business Opportunity Analysis procedure which has been initiated to study this request.

As we also discussed, this information is technically feasible on a direct basis while requiring development on a tandem basis. The time necessary for this development would be determined in conjunction with our vendors, but would certainly be impacted by the level of interest expressed by our customers.

As more information becomes available, I will keep you advised. If you have any questions, please contact me. I will be looking forward to your reply.

Sincerely,

Carrier Marketing
1801 California MBC 2120
Denver, Colorado 80202
(303) 896-2866

Vern Braaksma
Regional Account Manager
MCI

USWEST

March 28, 1988

Mr. Peter Guggina
Senior Manager
MCI Telecommunications Corporation
8283 Greensboro Drive
McLean, Virginia 22102

Dear Mr. Guggina,

In response to your letter regarding the possibility of providing the Carrier Identification Code (CIC) from end offices and tandems on originating Feature Group D (FG D) service, the following information has been obtained.

The CIC may be transmitted with Automatic Number Identification (ANI) via direct trunking to an end office. It is not possible at this time, however, to provision this service from any of the tandems in place within U S West. The ability to provide this service from the tandems would require software development and deployment by the vendor of each type of tandem switch.

A significant number of the MCI FG D trunking arrangements in place within U S West are direct arrangements. In addition, the end offices served by these direct trunks are often the ones which serve MCI's largest customers. Even though it is not possible to provide the CIC from the tandems, it may be possible to accomodate the needs of your marketing group and many MCI customers with direct trunking.

If you do see a requirement for the CIC from the tandems at some point in the future, we would be happy to talk with you more about this as well as the provisioning of the CIC on direct trunks. Please keep in mind that it is estimated that the development of the ability to provide this service from the tandems will be quite expensive and will take some time to initiate and deploy.

I apologize for the fact that we were so long in responding to your letter. If we can provide additional information or you would like to discuss this further, please call me or Ceil Matson. I may be reached on (303) 896-2866 and Ceil on (303) 896-6790.

Sincerely,



Vern Braaksma

Copies to: Frank Karash, MCI
Margaret Bumgarner, U S West
Jerry Sundby, U S West

ATTACHMENT III

EC REPORTS

Implementation Plans for the Transmission of CIC in SS7 Call Setup Messages

L.13

Attachment IV